



5

[illegible]



390

tacattgcca gataaaaagt gttacttaac caacaaacaa | atgtaagact acaaaaatcgt 2495

[illegible]

tcaagagcaa ttctaataata atttacaatat gttcacgcaa aatatgctta ggctgtcaaa 2555

ttagcacaac aaagaatgtg tttcactatc ttttctaggc taatttgtct tgagctgttg 2615

tctatagagc agtttacaga cttgtgtctt gtatcatttt ccagtgccag ggttctgaaa 2675

ttcattcaga acctgttaga ttaaagctgc accctgtgat tatttgaaaa gaattagctt 2735

gagagtaatg tcaactatatt tgagttctta gagaagtatg agtggaactt gagtacagtt 2795

gaattattaa atatgcaagt tagaaattaa gtctactgaa aaatttacat tttgagtcag 2855

gttttgtgtc agtacttttag cagtttttga gaatgtgttt gatatcacag tgtttgtaaa 2915

ttctatgaaa aatgcatttt ccaaacaact tatacatgct ttttatgact atgcctaata 2975

taaagaaaat gtattacatt ctgtatgtac aaagattaaa aatcaacctc tttttgtgc 3035

tttaaaatga ctttgggatt aaaaaagcat atttcccaat cattgtcttc attccactac 3095

aaagtcacct cacagcatct tgctccactc ggcattctctg tgaaagcaac atgaaatgaa 3155

ctgtagtagg tgtgtagttt ggggaagtca aatggccatt ttatgtatgt gcatttggtg 3215

tcatgggccg tggaacagaa tatatgttgg acctctgaaa agttgtaagg ggccaaatct 3275

aagtattctt cacggcagcc agaagttaat ggtggtagca gctgaggtat ggttgttgga 3335

cgaggccgat tttttttttt taacatggaa caatgaaacc aacaacaaac atttttaaaa 3395

ttaaaaatgga taatttgtaa atagttttta gcttttaaaa tttaaagtgt ttttgagtgt 3455

gaaaagtga gtaaaactat ttgcaactgg ttttcagaaa agagaaaaga aacaacaaag 3515

gaattgaaac aggcaggag atcttaatac ctaatttcat ctttctgca aaatgtactg 3575

ttttagaatg tattacaata tcaatgtgaa tatcttgaat cctgttacia atcctgcact 3635

gtattaaaca tgtaaatata ttgtttgtct gattagccaa tctcaccacc caaatgggga 3695

ggtatacatg tttgaagaac gtgtaactcg gtaattgatt tgttctgatg ttgtaactca 3755

atagaagtgt tttggaagga agcatggtgt gtgagacagt gtctgttctt ttgtgccagc 3815

tctgtatgat gtttgtaaga ccatgtttgt aagacatgaa taaattgctg cttttgcccc 3875

aaaaaaaaaa aaaaaa 3891

3891

<210> 2  
<211> 425  
<212> PRT  
<213> Homo sapiens  
<223> product = Repro-PC-1.0

<400> 2

Met Ala Pro Ile Thr Thr Ser Arg Glu Glu Phe Asp Glu Ile Pro Thr  
1 5 10 15

Val Val Gly Ile Phe Ser Ala Phe Gly Leu Val Phe Thr Val Ser Leu  
20 25 30

Phe Ala Trp Ile Cys Cys Gln Arg Lys Ser Ser Lys Ser Asn Lys Thr  
35 40 45

Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro  
50 55 60

Glu Asn Leu Asn Ser Lys Lys Lys Phe Gly Ala Asp Asp Lys Asn Glu  
65 70 75 80

Val Lys Asn Lys Pro Ala Val Pro Lys Asn Ser Leu His Leu Asp Leu  
85 90 95

Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro Lys Thr Asn Leu Lys Pro  
100 105 110

Gly Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu  
115 120 125

Gly Glu Lys Glu Ser Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser  
130 135 140

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Phe Ser  
145 150 155 160

Leu Glu Tyr Asn Phe Glu Arg Lys Ala Phe Val Val Asn Ile Lys Glu  
165 170 175

Ala Arg Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro  
180 185 190

Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr  
195 200 205

Arg Val Leu Arg Lys Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr

001001-12100000

210

215

220

Phe Tyr Gly Ile Pro Tyr Thr Gln Ile Gln Glu Leu Ala Leu His Phe  
225 230 235 240

Thr Ile Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu  
245 250 255

Val Leu Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu  
260 265 270

Met Asn Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg  
275 280 285

Gly Glu Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu  
290 295 300

Thr Val Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser  
305 310 315 320

Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys  
325 330 335

Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala  
340 345 350

Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu  
355 360 365

Asp Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg  
370 375 380

Asn Glu Val Ile Gly Gln Leu Val Leu Gly Ala Ala Ala Glu Gly Thr  
385 390 395 400

Gly Gly Glu His Trp Lys Glu Ile Cys Asp Tyr Pro Arg Arg Gln Ile  
405 410 415

Ala Lys Trp His Val Leu Cys Asp Gly  
420 425

&lt;210&gt; 3

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

0010007 12100000

<220>  
<221> misc\_feature  
<222> (1)..(21)  
<223> 5' oligo (109) Upper Primer

<400> 3  
cagttttccc ttcagcacct c

21

<210> 4  
<211> 30  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(30)  
<223> 3' oligo (3489) Lower Primer

<400> 4  
ttcctttgtt gtttcttttc tcttttctga

30

<210> 5  
<211> 425  
<212> PRT  
<213> rat

<220>  
<223> residues 1-425 = rat synaptotagmin 4 (SYT4)

<400> 5  
Met Ala Pro Ile Thr Thr Ser Arg Val Glu Phe Asp Glu Ile Pro Thr  
1 5 10 15  
Val Val Gly Ile Phe Ser Ala Phe Gly Leu Val Phe Thr Val Ser Leu  
20 25 30  
Phe Ala Trp Ile Cys Cys Gln Arg Arg Ser Ala Lys Ser Asn Lys Thr  
35 40 45  
Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro  
50 55 60  
Glu Asn Leu Ser Ser Lys Lys Lys Phe Gly Gly Asp Asp Lys Ser Glu  
65 70 75 80  
Ala Lys Arg Lys Ala Ala Leu Pro Asn Leu Ser Leu His Leu Asp Leu



95

Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala

1. *Chlorophyll a* (Chl *a*)  
 2. *Chlorophyll b* (Chl *b*)  
 3. *Chlorophyll c* (Chl *c*)  
 4. *Chlorophyll d* (Chl *d*)  
 5. *Chlorophyll e* (Chl *e*)  
 6. *Chlorophyll f* (Chl *f*)  
 7. *Chlorophyll g* (Chl *g*)  
 8. *Chlorophyll h* (Chl *h*)  
 9. *Chlorophyll i* (Chl *i*)  
 10. *Chlorophyll j* (Chl *j*)  
 11. *Chlorophyll k* (Chl *k*)  
 12. *Chlorophyll l* (Chl *l*)  
 13. *Chlorophyll m* (Chl *m*)  
 14. *Chlorophyll n* (Chl *n*)  
 15. *Chlorophyll o* (Chl *o*)  
 16. *Chlorophyll p* (Chl *p*)  
 17. *Chlorophyll q* (Chl *q*)  
 18. *Chlorophyll r* (Chl *r*)  
 19. *Chlorophyll s* (Chl *s*)  
 20. *Chlorophyll t* (Chl *t*)  
 21. *Chlorophyll u* (Chl *u*)  
 22. *Chlorophyll v* (Chl *v*)  
 23. *Chlorophyll w* (Chl *w*)  
 24. *Chlorophyll x* (Chl *x*)  
 25. *Chlorophyll y* (Chl *y*)  
 26. *Chlorophyll z* (Chl *z*)  
 27. *Chlorophyll aa* (Chl *aa*)  
 28. *Chlorophyll ab* (Chl *ab*)  
 29. *Chlorophyll ac* (Chl *ac*)  
 30. *Chlorophyll ad* (Chl *ad*)  
 31. *Chlorophyll ae* (Chl *ae*)  
 32. *Chlorophyll af* (Chl *af*)  
 33. *Chlorophyll ag* (Chl *ag*)  
 34. *Chlorophyll ah* (Chl *ah*)  
 35. *Chlorophyll ai* (Chl *ai*)  
 36. *Chlorophyll aj* (Chl *aj*)  
 37. *Chlorophyll ak* (Chl *ak*)  
 38. *Chlorophyll al* (Chl *al*)  
 39. *Chlorophyll am* (Chl *am*)  
 40. *Chlorophyll an* (Chl *an*)  
 41. *Chlorophyll ao* (Chl *ao*)  
 42. *Chlorophyll ap* (Chl *ap*)  
 43. *Chlorophyll aq* (Chl *aq*)  
 44. *Chlorophyll ar* (Chl *ar*)  
 45. *Chlorophyll as* (Chl *as*)  
 46. *Chlorophyll at* (Chl *at*)  
 47. *Chlorophyll au* (Chl *au*)  
 48. *Chlorophyll av* (Chl *av*)  
 49. *Chlorophyll aw* (Chl *aw*)  
 50. *Chlorophyll ax* (Chl *ax*)  
 51. *Chlorophyll ay* (Chl *ay*)  
 52. *Chlorophyll az* (Chl *az*)  
 53. *Chlorophyll ba* (Chl *ba*)  
 54. *Chlorophyll bb* (Chl *bb*)  
 55. *Chlorophyll bc* (Chl *bc*)  
 56. *Chlorophyll bd* (Chl *bd*)  
 57. *Chlorophyll be* (Chl *be*)  
 58. *Chlorophyll bf* (Chl *bf*)  
 59. *Chlorophyll bg* (Chl *bg*)  
 60. *Chlorophyll bh* (Chl *bh*)  
 61. *Chlorophyll bi* (Chl *bi*)  
 62. *Chlorophyll bj* (Chl *bj*)  
 63. *Chlorophyll bk* (Chl *bk*)  
 64. *Chlorophyll bl* (Chl *bl*)  
 65. *Chlorophyll bm* (Chl *bm*)  
 66. *Chlorophyll bn* (Chl *bn*)  
 67. *Chlorophyll bo* (Chl *bo*)  
 68. *Chlorophyll bp* (Chl *bp*)  
 69. *Chlorophyll bq* (Chl *bq*)  
 70. *Chlorophyll br* (Chl *br*)  
 71. *Chlorophyll bs* (Chl *bs*)  
 72. *Chlorophyll bt* (Chl *bt*)  
 73. *Chlorophyll bu* (Chl *bu*)  
 74. *Chlorophyll bv* (Chl *bv*)  
 75. *Chlorophyll bw* (Chl *bw*)  
 76. *Chlorophyll bx* (Chl *bx*)  
 77. *Chlorophyll by* (Chl *by*)  
 78. *Chlorophyll bz* (Chl *bz*)  
 79. *Chlorophyll ca* (Chl *ca*)  
 80. *Chlorophyll cb* (Chl *cb*)  
 81. *Chlorophyll cc* (Chl *cc*)  
 82. *Chlorophyll cd* (Chl *cd*)  
 83. *Chlorophyll ce* (Chl *ce*)  
 84. *Chlorophyll cf* (Chl *cf*)  
 85. *Chlorophyll cg* (Chl *cg*)  
 86. *Chlorophyll ch* (Chl *ch*)  
 87. *Chlorophyll ci* (Chl *ci*)  
 88. *Chlorophyll cj* (Chl *cj*)  
 89. *Chlorophyll ck* (Chl *ck*)  
 90. *Chlorophyll cl* (Chl *cl*)  
 91. *Chlorophyll cm* (Chl *cm*)  
 92. *Chlorophyll cn* (Chl *cn*)  
 93. *Chlorophyll co* (Chl *co*)  
 94. *Chlorophyll cp* (Chl *cp*)  
 95. *Chlorophyll cq* (Chl *cq*)  
 96. *Chlorophyll cr* (Chl *cr*)  
 97. *Chlorophyll cs* (Chl *cs*)  
 98. *Chlorophyll ct* (Chl *ct*)  
 99. *Chlorophyll cu* (Chl *cu*)  
 100. *Chlorophyll cv* (Chl *cv*)  
 101. *Chlorophyll cw* (Chl *cw*)  
 102. *Chlorophyll cx* (Chl *cx*)  
 103. *Chlorophyll cy* (Chl *cy*)  
 104. *Chlorophyll cz* (Chl *cz*)  
 105. *Chlorophyll da* (Chl *da*)  
 106. *Chlorophyll db* (Chl *db*)  
 107. *Chlorophyll dc* (Chl *dc*)  
 108. *Chlorophyll dd* (Chl *dd*)  
 109. *Chlorophyll de* (Chl *de*)  
 110. *Chlorophyll df* (Chl *df*)  
 111. *Chlorophyll dg* (Chl *dg*)  
 112. *Chlorophyll dh* (Chl *dh*)  
 113. *Chlorophyll di* (Chl *di*)  
 114. *Chlorophyll dj* (Chl *dj*)  
 115. *Chlorophyll dk* (Chl *dk*)  
 116. *Chlorophyll dl* (Chl *dl*)  
 117. *Chlorophyll dm* (Chl *dm*)  
 118. *Chlorophyll dn* (Chl *dn*)  
 119. *Chlorophyll do* (Chl *do*)  
 120. *Chlorophyll dp* (Chl *dp*)  
 121. *Chlorophyll dq* (Chl *dq*)  
 122. *Chlorophyll dr* (Chl *dr*)  
 123. *Chlorophyll ds* (Chl *ds*)  
 124. *Chlorophyll dt* (Chl *dt*)  
 125. *Chlorophyll du* (Chl *du*)  
 126. *Chlorophyll dv* (Chl *dv*)  
 127. *Chlorophyll dw* (Chl *dw*)  
 128. *Chlorophyll dx* (Chl *dx*)  
 129. *Chlorophyll dy* (Chl *dy*)  
 130. *Chlorophyll dz* (Chl *dz*)  
 131. *Chlorophyll ea* (Chl *ea*)  
 132. *Chlorophyll eb* (Chl *eb*)  
 133. *Chlorophyll ec* (Chl *ec*)  
 134. *Chlorophyll ed* (Chl *ed*)  
 135. *Chlorophyll ee* (Chl *ee*)  
 136. *Chlorophyll ef* (Chl *ef*)  
 1

001001 " F2F02950

340 345 350  
Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Ser Leu Glu  
355 360 365  
Glu Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg  
370 375 380  
Asn Glu Val Ile Gly Arg Leu Val Leu Gly Ala Thr Ala Glu Gly Ser  
385 390 395 400  
Gly Gly Gly His Trp Lys Glu Ile Cys Asp Phe Pro Arg Arg Gln Ile  
405 410 415  
Ala Lys Trp His Met Leu Cys Asp Gly  
420 425  
<210> 6  
<211> 117  
<212> PRT  
<213> Homo sapiens  
<220>  
<221> PEPTIDE  
<222> (1)..(117)  
<223> PKC-C2 internal repeat (amino acid positions  
154-271)  
<400> 6  
Glu Asn Val Pro Ser Leu Cys Gly Cys Asp His Thr Glu Arg Arg Gly  
1 5 10 15  
Arg Ile Tyr Leu Glu Ile Asn Val Lys Glu Asn Leu Leu Thr Val Gln  
20 25 30  
Ile Lys Glu Gly Arg Asn Leu Ile Pro Met Asp Pro Asn Gly Leu Ser  
35 40 45  
Asp Pro Tyr Val Lys Val Lys Leu Ile Pro Asp Asp Lys Asp Gln Ser  
50 55 60  
Lys Lys Lys Thr Arg Thr Thr Lys Ala Cys Leu Asn Pro Val Trp Asn  
65 70 75 80  
Glu Thr Leu Thr Tyr Asp Leu Lys Pro Glu Asp Lys Asp Arg Arg Ile  
85 90 95

Leu Ile Glu Val Trp Asp Trp Asp Arg Thr Ser Arg Asn Asp Phe Met  
100 105 110

Gly Ala Leu Ser Phe  
115

<210> 7

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> PEPTIDE

<222> (1)..(121)

<223> Repro-PC-1.0 (PC-20) "B" internal repeat (amino  
acid) positions 276-397

<400> 7

Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg Gly Glu Leu  
1 5 10 15

Leu Ile Ser Leu Cys Tyr Gln Ser Thr Ile Asn Thr Leu Thr Val Val  
20 25 30

Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser  
35 40 45

Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser  
50 55 60

Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn  
65 70 75 80

Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu Asp Ile Ser  
85 90 95

Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val  
100 105 110

Ile Gly Gln Leu Val Leu Gly Ala Ala  
115 120

<210> 8

<211> 115

<212> PRT

<213> rat

001001 "T" 000000

1. *Staphylinidae* (10 species)  
 2. *Curculionidae* (10 species)  
 3. *Chrysomelidae* (10 species)  
 4. *Scarabaeidae* (10 species)  
 5. *Elmidae* (10 species)  
 6. *Phaedonidae* (10 species)  
 7. *Chrysomelidae* (10 species)  
 8. *Curculionidae* (10 species)  
 9. *Staphylinidae* (10 species)  
 10. *Chrysomelidae* (10 species)

Leu  
Leu  
Gly  
Lys 55  
Pro  
Gln  
Lys

rnal  
Gly A  
Thr V  
Gly L  
40  
Arg L  
Tyr T  
Lys V  
Asn A  
1

repea  
sp Il 1  
al Va 25  
eu Se  
eu Ly  
yr As  
al Gl 9  
sp Al 05

t (am.  
e Cys  
0  
l Ile  
r Asp  
s Lys  
n Glu  
75  
n Val  
0  
a Ile

ino ac  
Phe S  
Leu C  
Pro T  
Lys 1  
60  
Ser 1  
Val V  
Gly 1

cid  
Ser Le  
Glu Al  
Tyr Va  
45  
Lys Th  
Phe Se  
Val Th  
Lys Va  
11

eu Arg  
 15  
 la Lys  
 80  
 al Lys  
 nr Thr  
 er Phe  
 nr Val  
 95  
 al Phe  
 10

g Tyr  
5  
s Asn  
s Ile  
c Ile  
e Glu  
80  
l Leu  
5  
e Val

Leu Asp Tyr Asp Phe Gln Asn Asn Gln Leu Leu Val Gly Ile Ile Gln  
20 25 30

Ala Ala Glu Leu Pro Ala Leu Asp Met Gly Gly Thr Ser Asp Pro Tyr  
35 40 45

Val Lys Val Phe Leu Leu Pro Asp Lys Lys Lys Lys Phe Glu Thr Lys  
50 55 60

Val His Arg Lys Thr Leu Asn Pro Val Phe Asn Glu Gln Phe Thr Phe  
65 70 75 80

Lys Val Pro Tyr Ser Glu Leu Gly Gly Lys Thr Leu Val Met Ala Val  
85 90 95

Tyr Asp Phe Asp Arg Phe Ser Lys His Asp Ile Ile Gly Glu Phe Lys  
100 105 110

Val Pro Met Asn Thr Val Asp Phe  
115 120

<210> 10

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> PEPTIDE

<222> (1)..(113)

<223> Repro=PC-1.0 (PC-20) "A" internal repeat amino  
acid positions 150-263)

<400> 10

Lys Gln Glu Lys Leu Gly Thr Leu Phe Phe Ser Leu Glu Tyr Asn Phe  
1 5 10 15

Glu Arg Lys Ala Phe Val Val Asn Ile Lys Glu Ala Arg Gly Leu Pro  
20 25 30

Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro Tyr Ile Lys Met Thr  
35 40 45

Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys  
50 55 60

Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro  
65 70 75 80

001001" T 0100000









*(The following are the names of the individuals who have been identified as having been involved in the activities described above.)*

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
Xaa Xaa Xaa  
10  
Thr Val Val Gly Ile Phe Ser Ala  
10 15  
Leu Phe Ala Trp Ile Cys Cys Glu  
25 30  
Pro Pro Tyr Lys Phe Val His Val  
10 15  
Glu Asn Leu Asn Ser Lys Lys Lys  
25 30

Trp  
 Xaa Xaa Xaa  
 10  
 Thr Val Val Gly Ile Phe Ser Ala  
 10 15  
 Leu Phe Ala Trp Ile Cys Cys Glu  
 25 30  
 Pro Pro Tyr Lys Phe Val His Val  
 10 15  
 Glu Asn Leu Asn Ser Lys Lys Lys  
 25 30



<400> 26

Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val Ile Gly Gln Leu  
1 5 10 15

Val Leu Gly Ala Ala Ala Glu Gly Thr Gly Gly Glu His Trp Lys Glu  
20 25 30

<210> 27

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> residue 5=Val or Ile

<400> 27

Ser Asp Pro Tyr Xaa Lys  
1 5

001001 100100